A. Permit Certificate

**MUNICIPAL**
**WASTEWATER-LAND APPLICATION PERMIT**
**LA-000102-02**

**Wildwood Park Company, LOCATED AT 27180 South Wildwood Drive, Worley, ID 83876** AND IN **Township 47N, Range4WBM, Section 12 IS** HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS (IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON August 13, 2008.

Gwen P. Fransen

Gwen P. Fransen
Coeur d'Alene Office Regional Administrator
Idaho Department of Environmental Quality

Signed this 13 day of August, 2003

**DEPARTMENT OF ENVIRONMENTAL QUALITY**
**Coeur d'Alene Regional Office**
**2110 Ironwood Parkway, Coeur d'Alene, ID 83814-2648**
**208-769-1422 (phone)**
**208-769-1404 (fax)**

**POSTING ON SITE RECOMMENDED**

# B. Permit Contents, Appendices, and Reference Documents



References

1. Buffer Zone Compliance Plan (to be provided by Permittee)
2. Revised Plan of Operations (to be provided by Permittee)
3. Silviculture Plan (to be provided by Permittee)
4. Waste Solids Management Plan (to be provided by Permitee)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater-Land Application Permit LA-000102-02 and are enforceable as such. This permit does not relieve Wildwood Park Company, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

# C. Abbreviations, Definitions

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|---|---|
| Ac-in | Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons. |
| BMP or BMPs | Best Management Practices |
| COD | Chemical Oxygen Demand |
| DEQ or the Department | Idaho Department of Environmental Quality |
| Director | Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator |
| ET | Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration) |
| GS | Growing Season – Typically April 01 through October 31 (214 days) |
| GW | Ground Water |
| GWQR | IDAPA 58.01.11 "Ground Water Quality Rule" |
| Handbook or Guidelines | Handbook for Land Application of Municipal and Industrial Wastewater, DEQ, April 1996. |
| HLRgs | Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. *Permit Limits and Conditions.* |
| HLRngs | Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. *Permit Limits and Conditions*. |
| HMU | Hydraulic Management Unit (Serial Number designation is MU) |
| IWR | Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is:<br>$IWR = (CU - P_e) / E_i$<br>CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration<br>$P_e$ is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR)<br>$E_i$ is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency. |
| IDAPA | Idaho Administrative Procedures Act. |
| LG | Lagoon |
| lb/ac-day | Pounds (of constituent) per acre per day |
| MG | Million Gallons (1 MG = 36.827 acre-inches) |
| MGA | Million Gallons Annually (per WLAP Reporting Year) |
| NGS | Non-Growing Season – Typically November 01 through March 31 (151 days) |
| NVDS | Non-Volatile Dissolved Solids ( = Total Dissolved Solids less Volatile Dissolved Solids) |
| O&M manual | Operation and Maintenance Manual, also referred to as the Plan of Operation |
| SAR | Sodium Absorption Ratio |
| SI | Supplemental Irrigation water applied to the land application treatment site. |
| Soil AWC | Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer) |
| SMU | Soil Monitoring Unit (Serial Number designation is SU) |

# C. Abbreviations, Definitions

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| SW | Surface Water |
| TDS | Total Dissolved Solids or Total Filterable Residue |
| TDIS | Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each). |
| TMDL | Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements* |
| Typical Crop Uptake | Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used. |
| USGS | United States Geological Survey |
| WLAP | Wastewater Land Application Permit (or Program) |
| WLAP Reporting Year | The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000. |
| WW | Wastewater applied to the land application treatment site |

# D. Facility Information

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| **Legal Name of Permittee** | Wildwood Park Company |
| **Type of Wastewater** | Domestic sewage |
| **Method of Treatment** | Point application of wastewater via gravity lines to individual trees within the waste water application area |
| **Type of Facility** | Privately-owned seasonal community |
| **Facility Location** | Worley, Idaho; 2,340 feet MSL |
| **Legal Location** | T47N R4WBM Section 12 |
| **County** | Kootenai |
| **USGS Quad** | Harrison Idaho |
| **Soils on Site** | Chatcolet-Rubson silty loam |
| **Depth to Ground Water** | Estimated over 100 feet |
| **Beneficial Uses of Ground Water** | Domestic well (500 feet N.E. from site) and spring (1,500 feet south from site) |
| **Nearest Surface Water** | Lake Coeur d' Alene (460 feet away) |
| **Beneficial Uses of Surface Water** | Domestic non-potable, recreational, aquatic life |
| **Responsible Official Mailing Address**<br><br><br>**Phone / Fax** | George Bloomsburg, President<br>Wildwood Park Company<br>27180 S. Wildwood Drive<br>Worley, ID 83876<br><br>208-689-3885 |
| **Facility Consultants Mailing Address**<br><br>**Phone / Fax** | Jeff Bloomsburg, Vice President<br>Sunny Slope Road<br>Worley, ID 83876<br><br>208-686-1101 |

## E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the indicated Completion Dates unless modified by the Department in writing.

| Compliance Activity Number Completion Date | Compliance Activity Description |
|---|---|
| **CA-102-01 Within one month of permit renewal** | Permittee shall submit a Detailed Action Plan including an implementation schedule for how the current operation will be modified to ensure compliance with buffer zone requirements as set forth in Section F of this permit. The plan shall indicate disinfection level the operator intends to consistently achieve. Based on that decision, the operator shall indicate what changes to the treatment, if any, he intends to make to achieve the identified disinfection level, and what site fencing and posting arrangements will be made.<br><br>Upon approval, the action plan shall be incorporated by reference into this permit and shall be enforceable as a part of this permit. |
| **CA-102-02 As noted in Compliance Activity Description** | Within one month of the Region's approval of the Detailed Action Plan (CA-102-01) if approval is received between April 1 and September 30, or before the start of the next application season if approval is received between October 1 and March 31, the Permittee shall take the actions set forth in CA-102-01 to bring the operation into compliance with buffer zone requirements. |
| **CA-102-03 As noted in Compliance Activity Description** | Within one month of the Region's approval of the Detailed Action Plan (CA-102-01) if approval is received between April 1 and September 30, or before the start of the next application season if approval is received between October 1 and March 31, the Permittee shall update the Plan of Operations (Operation and Maintenance Manual) for the wastewater land application facilities. The updated Plan of Operations shall address the requirements of this permit and of the changes to the operation as set forth in CA-102-01 as those changes affect operation and maintenance.<br><br>The updated Plan of Operations shall be submitted to DEQ for review and comment.<br><br>The Plan of Operations shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall address at a minimum all of the information required by the latest revision of the Plan of Operation Checklist in the WLAP Program Guidance. The Plan of Operations shall also include an odor management plan.<br><br>Upon approval, the Plan of Operations shall be incorporated by reference into this permit and shall be enforceable as a part of this permit. |

## E. Compliance Schedule for Required Activities

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| **CA-102-04**<br>**Within one year of permit renewal** | Permittee shall submit Silviculture Plan to DEQ within 12 months of permit start date. That plan shall include the irrigation and nutrient requirements for the trees, how wastewater applications will be supplemented to maintain the trees, additional maintenance requirements such as pruning and protecting from disease and animal damage, inspections, and replacements as required, and the eventual harvesting program. |
| **CA-102-05**<br>**concurrent with CA-102-03** | Permittee shall submit a Waste Solids Management Plan in accordance with Section I.5 of this permit. The plan must address all solid waste associated with the operation of the system including septage, tank sediments and filter residues. The Waste Solids Management Plan shall be submitted with or as part of the Plan of Operations (CA-102-03). Any onsite disposal of solid wastes must be in accordance with 40 CFR Part 503 and IDAPA 58.01.02. Solid wastes may also be consolidated for offsite disposal by a licensed septic tank pumper.<br><br>Upon approval, the Waste Solids Management shall be incorporated by reference into this permit and shall be enforceable as part of this permit. |

# F. Permit Limits and Conditions

1) The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

| Category | Permitted Limits and Conditions |
|---|---|
| **Type of Wastewater** | Municipal Wastewater |
| **Application Site Area** | 1.0 acres maximum |
| **Application Season** | May 1 to October 31 (other times only with prior approval) |
| **Reporting Year for Annual Loading Rates** | November 1 to October 31 |
| **Maximum Hydraulic Loading Rate, Application Season (includes wastewater and supplemental irrigation water, if used)** | Application Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to IR net data from these tables divided by the irrigation system efficiency.<br><br>In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the 1994 Technical Interpretive Supplement, pages IV-6 and IV-7. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season.<br><br>The Permittee shall indicate the maximum hydraulic loading rate in his Plan of Operations (CA-102-03). |
| **No Runoff** | No runoff is allowed from any site or fields used for wastewater land application except after a 25-year, 24-hour storm event or greater using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 "Isopluvials of 25-YR, 24-HR Precipitation". For this site, the 25-year, 24-hour event is 3 inches.<br><br>At a minimum, the Premittee shall construct a 1-foot high earth berm or equivalent at the lower end of the application site within the fenced area to contain runoff. |
| **Wastewater Maximum Hydraulic Loading without Prior Approval (gallons per application season)** | 100,000 gals. |
| **Surface Water Quality** | Wastewater shall not be discharged accidentally or intentionally to surface water. |
| **Ground Water Quality** | Ground Water Quality shall be in compliance with *Idaho Ground Water Quality Rule* IDAPA 58.01.11 To protect groundwater quality, the following hydraulic loading restrictions are imposed:<br>1. The maximum daily wastewater loading per acre shall not exceed 6,000 gallons (0.22 inches)<br>2. The maximum weekly wastewater loading per acre shall not exceed 41,000 gallons (1.5 inches) |

## F. Permit Limits and Conditions

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| **Maximum COD Loading, seasonal average in Pounds / acre-day, each HMU** | 50 pounds/acre-day seasonal average for application season. |
| **Maximum Nitrogen Loading Rate, pounds / acre-year, each HMU (from all sources including waste solids and supplemental fertilizers).** | 125% of typical crop uptake (see definition), or UI Fertility Guide<br><br>The Permittee shall indicate the maximum nitrogen loading rate in his Plan of Operations (CA-102-03). |
| **Maximum Phosphorus Loading Rate, pounds / acre-year, each HMU (from all sources including waste solids and supplemental fertilizers).** | None.<br><br>DEQ reserves the right to re-open this permit for inclusion of phosphorus limits. |
| **Construction Plans** | Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval. |
| **Grazing** | Grazing within the land application site is not allowed. |
| **Allowable crops** | Crops grown for direct human consumption (those crops that are not processed prior to consumption) are not allowed. |
| **Fencing and Posting** | The land application site shall be enclosed within fencing. The type of fencing shall be in accordance with buffer zone requirements. Signs shall be posted at corners and every 500 feet designating the fields as wastewater reuse areas or equivalent – see WLAP Guidance for more information. |
| **Supplemental Irrigation Water Protection** | For systems with wastewater and fresh irrigation water interconnections, DEQ approved backflow prevention devices are required. |

# F. Permit Limits and Conditions

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| **Odor Management** | The wastewater treatment plant, land application facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions, including odors. These facilities shall be managed in accordance with a DEQ approved Odor Management Plan included in the Plan of Operations (CA-102-3). The Odor Management Plan shall include the following specific measures:<br>1. Apply wastewater as evenly as possible;<br>2. Prevent organic solids from accumulating on ground surfaces<br>3. Prevent ponding of wastewater.<br>4. Wastewater application is to be done by means that suppress mists and sprays |
| **Storage of Wastewater in the Wastewater Application Storage Tank** | The wastewater storage tank that supplies the gravity wastewater application system shall be emptied at least once every 10 days during the application season. Storage for longer than 10 days may be allowed when required for system repairs and at other times with prior approval |
| **Handling and Disposal of Solid Waste** | All solid wastes generated by wastewater system shall be handled and disposed of in accordance with an approved Waste Solids Management Plan (CA-102-05) per Section I.5. Onsite disposal shall be in accordance 40 CFR Part 503 and IDAPA 58.01.02. A licensed septic tank pumper shall be used for all offsite disposal. |
| **Monitoring and Maintenance of Individual Septic Tanks** | The individual septic tanks supply wastewater for wastewater land application shall be monitored to ensure that their sludge is removed at least once every 10 years. The procedures for monitoring the septic tanks shall be addressed in the operations and maintenance procedures (CA-102-03). |

## F. Permit Limits and Conditions

| Buffer Zone Distances from WLAP Guidance (based on Suburban or Residential Area and Furrow [non-spray] Irrigation) | Disinfection Level* (total coliform) | Distance to Public Access | Distances to Inhabited Dwellings | Fencing Require -ments | Distance to streams | Distance to private water sources | Distance to public water sources | Single sample maximum total coliform level |
|---|---|---|---|---|---|---|---|---|
| | 2.2 /100 ml | 0 feet | 50 feet | none | 100 feet | 500 | 1000 | 23/100 ml |
| | 23/100 ml | 0 feet | 50 feet | woven pasture | 100 feet | 500 | 1000 | 240/100ml |
| | 230/100ml | 100 feet | 300 feet | cyclone/ barbed wire | 100 feet | 500 | 1000 | 2400/100ml |
| | Primary Undisinfected with no limit | 100 feet | 300 feet | cyclone/ barbed wire | 100 feet | 500 | 100 | not applicable |

*Compliance determination method for disinfection requirements is as follows:

- For determining compliance with the 2.2 / 100 ml disinfection level, the median value of the last five (5) results must not exceed 2.2 / 100 ml. In addition, no single sample value shall exceed 23 / 100 ml.
- For determining compliance with the 23 / 100 ml disinfection level, the median value of the last five (5) results must not exceed 23 / 100 ml. In addition, no single sample value shall exceed 240 / 100 ml.
- For determining compliance with the 230 / 100 ml disinfection level, the median value of the last three (3) results must not exceed 230 / 100 ml. In addition, no single sample value shall exceed 2400 / 100 ml.

# G. Monitoring Requirements

1) Appropriate analytical methods, as given in the *Handbook for Land Application of Municipal and Industrial Wastewater, April 1996*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Plan of Operations.
2) The Permittee shall monitor and measure parameters and submit information as stated in the Facility Monitoring Table in this section.
3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
4) Monitoring locations are described in Appendix 1. Environmental Monitoring Serial Numbers.
5) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.
6) If the soil management unit is less than 15 acres, use 5 sub-samples. If the soil management unit is greater than 15 acres, use 10 sub-samples.
7) Two (2) soil samples shall be collected at each sample location, one at 0-12 inches and one at 24-36 inches. The soil samples collected at 0-12 inches from each sample location shall be composited. Similarly, all soil samples collected at 24-36 inches shall be composited. This method will yield two samples for analysis, one for 0-12 in and one for 24-36 inches for each soil management unit.
8) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.
9) Test results shall be reported in units as set forth in Appendix I, section IV of the *Handbook for Land Application of Municipal and Industrial Wastewater, April 1996* unless otherwise agreed in writing by the DEQ.

## Facility Monitoring Table

| Frequency | Monitoring Point | Description and Type of Monitoring | Parameters |
|---|---|---|---|
| Monthly (when land applying) | Discharge Point of Wastewater to Land Application (Flow Meter or Equivalent Method of Measurement) | Volume of Wastewater Land Applied | Gallons/Month and acre-inches/month applied to each Hydraulic Management Unit |
| Monthly (when land applying) | At point of injection or application | Type and Weight of Chlorine Added to Wastewater | Pounds/Month of Available Chlorine Added to Wastewater that was applied to each Hydraulic Management Unit |
| Bi-Annually (July and October) (when land applying) | Discharge Point of Wastewater to Land Application | Grab Sample of wastewater (July sample covers period from May-July and October covers period August-October) | Total Kjeldahl nitrogen, nitrate+nitrite-nitrogen, TDS, COD, total phosphorus in Milligrams per liter (mg/l) and pH |

# G. Monitoring Requirements

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| During Application Season<br>For total coliform, monitoring frequency depends on level of treatment.<br>1. 2.2 / 100 ml. - Twice Weekly<br>2. 23 / 100 ml. - Weekly<br>3. 230 / 100 ml. - Twice Monthly<br>4. No limit – Annually | Discharge Point of Wastewater to Land Application | grab sample | Total Coliform |
| Annually | Hydraulic management unit | Acres used for land application | Acres |
| Annually | Hydraulic management unit | COD loading calculation | COD applied in lbs/acre-day[1] |
| Annually | Hydraulic management unit | Report total nitrogen and phosphorus load from fertilizer or all other non-wastewater application. | Nitrogen and phosphorus applied in lbs/acre-year |
| Annually | Hydraulic management unit | Report total nitrogen and phosphorus loading from wastewater | Nitrogen and phosphorus applied in lbs/acre-year |
| Annually<br>(April) | Soil Monitoring unit | Composite soil sample | Chloride (meq/100 g), Electrical Conductivity (mmhos/cm), nitrate-N (mg/kg), ammonium-N (mg/kg), pH, Plant available phosphorous (mg/kg) – (use Olsen method for soils with pH 6.5 or greater, use Bray method if soil pH is less than 6.5) |

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Notes:

1. If the COD loading for the reporting year is 5 pounds/acre-day or less, the requirement monitor wastewater COD may be eliminated for all remaining years of the permit.

# G. Monitoring Requirements

1. The permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year from November 1 through October 31. The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2. The annual report shall contain the results of the required monitoring as described in Section G. Monitoring Requirements. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3. The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-550

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208-769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
601 Pole Line Road, Suite 2
Twin Falls, ID 83301
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4. Notice of completion of any work described in Section E. Compliance Schedule for Required Activities shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by Section G. Monitoring Requirements of this permit shall be submitted with the Annual Report.

# I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

a. Apply wastewater as evenly as practicable to the treatment area;
b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
b. Not hydraulically overload any particular areas of the wastewater land application treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

a. Enter the permitted facility,
b. Inspect any records that must be kept under the conditions of the permit.
c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

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d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

i. A description of the non-compliance and its cause;
ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

# J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code ə 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23..

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

# Appendix 1
# Environmental Monitoring Serial Numbers

## HYDRAULIC MANAGEMENT UNITS

| Serial Number | Description | Acres |
|---|---|---|
| MU-010201 | Wildwood Park Land Application Site | 1 |

## WASTEWATER SAMPLING POINTS

| Serial Number | Description |
|---|---|
| WW-010201 | Grab Sample of Wastewater from Gravity Application System |

## SOIL MONITORING UNITS

| Serial Number | Description | Associated MU |
|---|---|---|
| SU-0102-01 | Wildwood Park Land Application Site | MU-010201 |

Appendix 2
Site Map